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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2003115890 A
(43) Date of publication of application: 18.04.2003

(51) Int. Cl. H04L 12/56
G06F 13/00, H04L 12/28, H04L 12/46

(21) Application number: 2001308155
(22) Date of filing: 04.10.2001

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(54) FIREWALL SYSTEM, INFORMATION EQUIPMENT AND COMMUNICATION METHOD FOR THE SAME

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a device capable of changing an Internet service provider without resetting the address of home equipment 3 while keeping the security of a home network 6 even without loading a security communication function in the home equipment by safely performing communication between out-of-home equipment 1 and the home equipment 3, safely executing communication between a PC 4 and the home equipment 3 and starting the communication from the out-of-home equipment 1.

SOLUTION: By executing communication using an IPv 6, a prefix 2 of the address of the IPv 6 is converted in a firewall 2. The security communication path of mutual authentication with the out-of-home equipment 1 is secured by the firewall 2 and, on the home network 6, only the home equipment 3 is confirmed by the firewall 2. The PC 4 is connected to a home network 7 for PC different from the home network 6, and the communi-

cation between the PC 4 and the home equipment 3 is performed through the firewall 2 all the time.

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